

All India Coordinated Research Project on Agrometeorology
अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना
(AICRPAM)

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जुलाई 2023 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह

Weather conditions and Agromet advisories issued during July 2023

1. सामान्य मौसम की स्थिति

1. General Weather Conditions

01 जून - 31 जुलाई 2023 के दौरान, पूरे देश में 467.0 मिमी वर्षा हुई, जो इसी अवधि के लिए सामान्य वर्षा (445.8 मिमी) की तुलना में 5% अधिक है। 36 मौसम संबंधी उप-विभाजनों में से, 02, 10, 18 और 06 उप-विभाजनों में वर्षा क्रमशः अधिक, अधिक, सामान्य और कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 June - 31 July 2023, the country as a whole received 467.0 mm rainfall, which is 5% excess, compared to the normal rainfall (445.8 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, and deficient in 02, 10, 18 and 06 sub-division(s), respectively as depicted in Fig. 1.

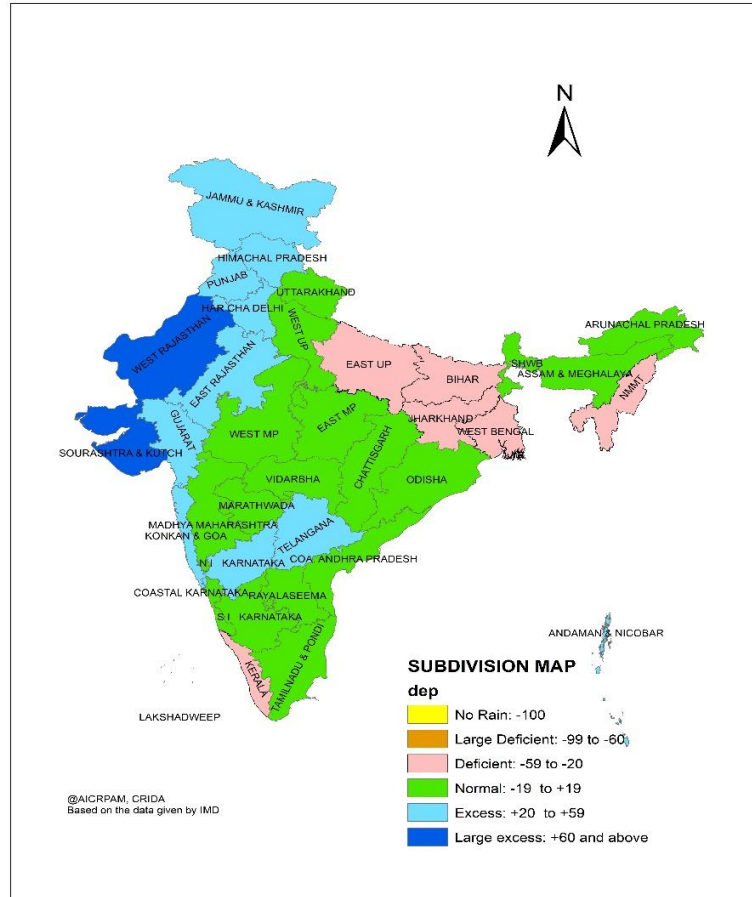


Fig. 1: Seasonal rainfall status (01 June- 31 July 2023) in 36 meteorological sub-divisions, India

1. Agromet advisories issued by AICRPAM centers during July 2023

Date of issue	Advisory issued for the region	Agromet Advisory issued
07-07-2023	Western Uttar Pradesh	<ul style="list-style-type: none"> • Under prevailing rainy weather condition and forecast of above normal rainfall during next week, farmers are advised to postpone the sowing of kharif maize and start sowing after rainfall at proper moisture condition. • Due to rainfall in past week and forecast of above normal rainfall during next week, farmers are advised to transplant 30 days old rice nursery in saline soil/flood areas. And, it is also advised that scented rice transplanting should be start after 15th July.
	Eastern Uttar Pradesh	<ul style="list-style-type: none"> • Due to rainfall observed in past week, it is advised to drain excess rain water from the rice nursery and sow short duration rice varieties such as-<i>NDR-2064, NDR-80, NDR-359, NDR2065, NDR-97, Pant dhan-12, Barani deep, IR-50, Ratna, HUR-3022</i> and scented rice such as <i>T-3, Pusa Basmati-1, Pusa Sungandh-4 and 5 and Malviya Sugandh 4-3 and Malviya basmati 10-9</i> etc.
	Punjab	<ul style="list-style-type: none"> • Because of rainfall during last week and forecast of above normal rainfall in next week, farmers are advised to remove excess water from maize field, as maize crop is very sensitive to standing water. This precautionary measure is crucial as standing water can have a detrimental impact on maize crops, leading to the development of stalk rot.
	Assam	<ul style="list-style-type: none"> • Considering the amount of rainfall received during the past week and forecast of light to moderate rainfall during next two weeks, farmers are advised to avoid waterlogging in jute fields and remove excess water from field immediately by creating field ditches of 20 cm wide and 20 cm depth, along the gradient, at an interval of 10 m.
	Chatha	<ul style="list-style-type: none"> • Farmers are advised to strengthen the paddy bunds field for in situ storage of rain water and utilize the same for puddling. Farmer may go for transplanting of rice seedling (2-3 healthy seedlings per hill).

14-07-2023	Vidarbha	<ul style="list-style-type: none"> For pigeon pea crop, sowing is advised only after receipt of sufficient rainfall for sowing. Recommended varieties as per the soil type are early duration varieties for medium soil type - (<i>TAT-10</i>, <i>ICPL 87</i>, <i>AKT-8811</i>), medium duration varieties for medium to heavy soil type - (<i>BSMR-736</i>, <i>PKV Tara</i>, <i>BSMR-853</i>) and long duration varieties for heavy soil type - (<i>ICPL-87119</i>, <i>C-11</i>).
	Marathwada	<ul style="list-style-type: none"> Sowing of <i>kharif</i> crops is advised only after receipt of (75 to 100 mm) rainfall. The areas where sufficient amount of rainfall has been not received, farmers are advised to wait for sowing.
	Konkan	<ul style="list-style-type: none"> Due to prevailing humid condition, there is a possibility of incidence of 'Koleroga' disease in arecanut orchard. For management, it is advised to clean the arecanut orchard and spray 1% Bordonmixture. Repeat the spray 3-4 times at one-month interval or 0.3 % Fosetyl-Al 80% WP @ 3 g per 10 litres of water during clear weather.
	Madhya Maharashtra	<ul style="list-style-type: none"> Soybean is advised to sow in areas where rainfall more than 100 mm is received. Use the seed of improved varieties like <i>Phule Durva</i>, <i>P.Kimaya</i> and <i>P. Sangam</i>.
	Tamil Nadu	<ul style="list-style-type: none"> Wind and rainfall may damage the coconut crop which is at young seedling stage. Hence farmers are advised to provide to young seedlings. Also, advised for earthing up and raising of green manure that can hold the rain water for crop stand.
21-07-2023	Himachal Pradesh	<ul style="list-style-type: none"> The heavy to rather heavy rainfall, landslides, cloudbursts, mud flows, and floods that have occurred throughout the state has caused the waterlogged conditions in crops such as maize and other <i>kharif</i> crops. Extensive damage has been inflicted on apple, rice, maize, pea, and tomato crops. The general public is cautioned not to go near the banks of rivers and drain out the excess water in maize, soybean and vegetable fields.

21-07-2023	Uttarakhand	<ul style="list-style-type: none"> • Under prevailing weather conditions, it is advised not to allow water to stagnate in vegetable field, as it increases disease incidence and harvest mature fruits. • Planting the saplings of multipurpose tree species like <i>bhimal</i>, <i>khadik</i>, <i>bedu</i>, <i>guiral</i>, <i>banj</i>, <i>napier grass</i> etc in Van Panchayat Bhoomi or fallow lands or any other suitable sites is advised.
	West Bengal	<ul style="list-style-type: none"> • Drainage channels should be cleared in periodic intervals to avoid water logging conditions. Harvesting of pointed gourd is advised in low land area. • Frequent hand weeding is advised in soybean crop up to maximum canopy proliferation.
	Gujarat	<ul style="list-style-type: none"> • Under prevailing weather condition, transplanting of 20-25 days old paddy seedlings is recommended in a well-prepared main field and use 2-3 plants per hill for planting with spacing of 20 cm between row and 15 cm between plants.
28-07-2023	Kerala	<ul style="list-style-type: none"> • Due to high moisture content in the atmosphere, there is a chance for the development of mahali disease in arecanut and coconut. To prevent, it is advised to take necessary phyto-sanitary measures and provide proper drainage facilities. Apply 500 g of lime per plant. Spray 1% Bordeaux mixture with sticker as a prophylactic measure. Pesticides should not be applied during rainy period.
	Anantapur	<ul style="list-style-type: none"> • In Srikakulam, Vizianagaram, Visakhapatnam, Nellore, Chittoor, Ananthapuramu and Kurnool districts, groundnut farmers are advised to select high yielding and drought tolerant groundnut varieties viz., <i>Kadiri- 6</i>, <i>Kadiri-9</i>, <i>Kadiri Harithandhra</i>, <i>Anantha</i>, <i>Greeshma</i>, <i>Narayani</i>, <i>Abhaya</i> and <i>Dharani</i>.
	South Interior Karnataka	<ul style="list-style-type: none"> • Deep ploughing is recommended in mango orchard. Rainwater harvesting through opening circular trenches around the tree at a distance of 6 feet and width at 9 inches, as well as depth and mulching the trenches with dry mango and green leaf manuring helps in retaining sufficient soil moisture in soil.
	North Interior Karnataka	<ul style="list-style-type: none"> • Under sufficient soil moisture condition, sowing of <i>kharif</i> crops is advised like sowing of bajra, groundnut (bunch type), maize, Bt. cotton, redgram, sesamum or navane.